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|----------|------|---|---|------------------|
| -        | 18   | ((integrated near3 circuit near3 design) or (IC near3 design) or (semiconductor near3 device)) and module and (wir\$3 near3 layer) and ((horizontal and vertical and diagonal) near3 direction)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 14:37 |
| -        | 1    | ((integrated near3 circuit near3 design) or (IC near3 design) or (semiconductor near3 device)) and module and (wir\$3 near3 layer near3 (multipl\$3 or plural\$3)) and ((horizontal and vertical and diagonal) near3 direction)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:01 |
| -        | 1    | ((integrated near3 circuit near3 design) or (IC near3 design) or (semiconductor near3 device)) and module and (wir\$3 near3 layer near3 (multipl\$3 or plural\$3 or multilayer or (mult\$3 near3 layer))) and ((horizontal and vertical and diagonal) near3 direction)              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:06 |
| -        | 15   | ((integrated near3 circuit near3 design) or (IC near3 design) or (semiconductor near3 device)) and module and ((mult\$3 or plural\$3) near3 layer) and ((horizontal and vertical and diagonal) near3 direction)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:31 |
| -        | 17   | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((horizontal and vertical and diagonal) near3 direction)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:39 |
| -        | 1236 | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((five or fifth) near3 layer) ((horizontal and vertical and diagonal) near3 direction)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:42 |
| -        | 366  | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((five or fifth) near3 layer) ((horizontal and vertical and diagonal) near3 direction) and (gridless near3 non near3 manhattan)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:44 |
| -        | 2    | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((five or fifth) near3 layer near3 metal near3 wir\$3) ((horizontal and vertical and diagonal) near3 direction) and (gridless near3 non near3 manhattan) and orthogonal | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/22 16:49 |
| -        | 366  | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((five or fifth) near3 layer) ((horizontal and vertical and diagonal) near3 direction) and (gridless near3 non near3 manhattan) and orthogonal                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/23 08:23 |
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| -        | 15   | ((integrated near3 circuit) or IC or semiconductor) and module and ((mult\$3 or plural\$3) near3 layer) and ((five or fifth) near3 layer) and ((horizontal and vertical and diagonal) near3 direction)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/07/23 08:52 |
| -        | 148  | ((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/14 10:10 |

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|---|----|--|---|------------------|
| - | 2  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and gridless  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/06 15:42 |
| - | 19 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/06 15:43 |
| - | 19 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/18 17:11 |
| - | 2  | (manhattan same gridded) and layers  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 07:44 |
| - | 74 | (manhattan and grid\$4) and (metal near3 layer)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 07:45 |
| - | 51 | (manhattan and grid\$4) and (metal near3 layer) and (first near3 layer)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 07:46 |
| - | 36 | (manhattan and grid\$4) and (metal near3 layer) and (first near3 layer) and (fourth near3 layer)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 09:21 |
| - | 13 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and ((manhattan and grid\$4) and (metal near3 layer) and (first near3 layer) and (fourth near3 layer))           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 09:29 |
| - | 7  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and ((manhattan and grid\$4) and (metal near3 layer) and (first near3 layer) and (fourth near3 layer)) and pitch | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 09:06 |
| - | 9  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and pitch  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 09:15 |
| - | 15 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and (manhattan or grid\$4) and (metal near3 layer) and (first near3 layer) and (fourth near3 layer)                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 09:23 |
| - | 9  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and pitch  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 11:34 |

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|---|----|---|---|------------------|
| - | 0  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and ((first near3 layer) near3 horizont\$3) and ((second near3 layer) near3 vertic\$3) and ((third near3 layer) near3 diagon\$3) and ((fourth near3 layer) near3 diagon\$3) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 11:45 |
| - | 0  | ((first near3 layer) near3 horizont\$3) and ((second near3 layer) near3 vertic\$3) and ((third near3 layer) near3 diagon\$3) and ((fourth near3 layer) near3 diagon\$3)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 11:38 |
| - | 0  | ((first near3 layer) near3 horizont\$3) and ((second near3 layer) near3 vertic\$3) and ((third near3 layer) near3 diagon\$3) and ((fourth near3 layer) near3 diagon\$3)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 11:38 |
| - | 16 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (horizontal and vertical and diagonal)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/18 17:04 |
| - | 8  | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (layer near3 (horizontal and vertical and diagonal))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/03/07 12:12 |
| - | 11 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (horizontal and vertical and diagonal) and @pd<=20030115  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/18 16:59 |
| - | 11 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (horizontal and vertical and diagonal) and @pd<=20030115  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/18 17:04 |
| - | 11 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (horizontal and vertical and diagonal) and @pd<=20030115  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/18 17:05 |
| - | 14 | (((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and @pd<=20030115   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/22 09:32 |
| - | 0  | simulated adj1 euclidean adj1 wiring  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/21 15:30 |
| - | 0  | simulated near2 euclidean near2 wiring  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/21 15:30 |
| - | 0  | euclidean near3 wir\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/21 16:22 |

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|---|----|---|---|------------------|
| - | 0  | euclidean near3 wiring  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/21 16:42 |
| - | 0  | (euclidean near3 (wiring or wir\$3 or distance)) same (integrated near3 circuit)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/21 16:43 |
| - | 1  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:49 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:56 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 1  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 0  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:55 |
| - | 1  | 20010009031.pn.   | USPAT;<br>US-PGPUB                                      | 2003/04/21 16:56 |
| - | 1  |   | USPAT;<br>US-PGPUB                                      | 2003/04/21 17:00 |
| - | 0  | ((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and manhattan and layers and (ratio same ((first and second) near3 line)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/22 09:35 |
| - | 0  | ((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and layers and (ratio same ((first and second) near3 line))               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/22 09:35 |
| - | 17 | ((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) and layers and (ratio same length)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/22 14:17 |
| - | 23 | ((non near3 manhattan) or nonmanhattan or diagonal) near3 wiring) same ratio) and layers  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/04/22 14:18 |

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Then click **Search Again**.**Results:**Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD****1 Compliance metrics for surface mount component lead design***Kotlowitz, R.W.;*Electronic Components and Technology Conference, 1990. Proceedings., 40th ,  
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[\[Abstract\]](#) [\[PDF Full-Text \(672 KB\)\]](#) **IEEE CNF****2 A low cross-polarization circularly polarized spacecraft TC&R antenna***Eu-An Lee;*Antennas and Propagation Society International Symposium, 1994. AP-S. Dige  
Volume: 2 , 20-24 Jun 1994

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Antennas and Propagation, IEEE Transactions on , Volume: 38 Issue: 3 , Mar 1994

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Antennas and Propagation Society International Symposium, 1988. AP-S. Dige  
6-10 Jun 1988  
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**5 Transport studies of compact torsatron reactors**

*Painter, S.L.; Lyon, J.F.;*

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*Kozlov, A.I.; Logvin, A.I.;*

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**7 A high image-quality LCD addressed by lateral MIM**

*Takahashi, K.; Ushiki, T.; Sugiyama, J.; Ushiyama, T.; Ono, N.; Araki, T.; Kan  
Aruga, H.; Oguchi, K.;*

Display Research Conference, 1991., Conference Record of the 1991 Internatio  
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**8 Diagonal MOSFETs characterization for 256M DRAM and beyond**

*Yin Hu; Teng, C.W.; Coleman, D.J., Jr.; Richardson, W.F.; Jiann Liu; Chi-Chien  
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**9 Full wave analysis of HTS superconducting microstrip transmission li  
using spectral-domain immittance approach**

*Amora, A.I.; Ghali, H.;*

Radio Science Conference, 1996. NRSC '96., Thirteenth National , 19-21 Mar 1

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**10 Medical ultrasound image compression using multiresolution decomposition and vector quantization**

*Xiang, S.H.; Zhang, Y.T.;*

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**11 Advances in amorphous silicon technology for LCDs**

*Tsukada, T.;*

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**12 An efficient fractal image compression method**

*Huaqiu Deng; Wenhua Weng; Li Li; Yinglin Yu;*

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**13 Adaptive target detection across a clutter boundary: GLR and maximum likelihood invariant detectors**

*Hyung Soo Kim; Hero, A.O.;*

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**14 Improved image reconstruction from sensitivity-encoded data by wavelet denoising and Tikhonov regularization**

*Zhi-Pei Liang; Bammer, R.; Jim Ji; Pelc, N.J.; Glover, G.H.;*

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**15 Ultra-thin, high-resolution, flexible electronic ink displays addressed a-Si active-matrix TFT backplanes on stainless steel foil**

*Chen, Y.; Au, J.; Kazlas, P.; Ritenour, A.; Gates, H.; Goodman, J.;*

Electron Devices Meeting, 2002. IEDM '02. Digest. International , 2002

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[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [\[Next\]](#)

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